

Listing of Claims

1-13 (Cancelled).

14. (Currently amended) Vascularized bioartificial tissue ~~particularly obtained~~ according to Claim 25, wherein the at least one vessel passes through said tissue ~~from which and~~ other vessels are propagated into the tissue from the at least one vessel.

15. (Currently amended) Vascularized bioartificial tissue according to Claim 14 wherein ~~in that~~ the at least one vessel is selected from the group consisting of a vessel of natural origin from human or animal, and a biocompatible synthetic vessel.

16. (Currently amended) Vascularized bioartificial tissue according to Claim 14 wherein the tissue is a synthetic heart tissue having cardiomyocytes in ~~a~~ the matrix.

17. (Currently amended) Vascularized bioartificial tissue according to Claim 14 wherein the tissue is synthetic skin tissue having keratinocytes in ~~a~~ the matrix.

18-24. (Cancelled)

25. (Currently amended) A vascularized bioartificial tissue or tissue precursor, made by the process of:

inserting at least one vascularizing vessel into a mixture of viable cells in or on a matrix ~~and cells~~ whereby the at least one vessel is inserted prior to or at the beginning of cultivation of the mixture of the matrix and cells; and

cultivating said mixture wherein the at least one vessel propagates and a vascularized bioartificial tissue is obtained, and wherein said step of cultivating includes supplying constituents to said at least one vessel from a location remote from said tissue.